

## N2XSY

DB35002954

Valid from: 15.01.2016

**Application**

N2XSY are power cables for installation in ground, in water, indoors and in cable trays for power stations, industry, and distribution networks. According to VDE 0276-620 suitable for outdoor use if protected against direct sunlight and within the indicated operating temperature range. Due to its good laying properties the cable can be laid easily in difficult cable carrier systems.

**Design**

acc. to DIN VDE 0276-620

Conductor	multi-wire, bare copper conductor acc. IEC 60228 resp. EN 60228 (VDE 0295), class 2
Inner layer	cross-linked, conductive inner layer
Core insulation	cross-linked polyethylene compound DIX 8 acc. to HD 620 S2
Outer layer	conductive layer extruded and welded with core insulation
Wrapping	conductive wrapping
Screen	braiding of copper wires with one or two tapes applied helically
Outer sheath	PVC compound type DMV 6 acc. to HD 620 S2
Sheath colour	red

**Electrical properties**

	N2XSY 6/10kV	N2XSY 12/20kV	N2XSY 18/30kV
Nominal voltage $U_0/U$	6/10kV	12/20kV	18/30kV
Max. Operating Voltage	12kV	24kV	36kV
Test voltage	15kV	30kV	45kV

**Mechanical and thermal properties**

Min. bending radius	15 x outer diameter		
Temperature range	during installation:	-5 °C up to +50°C	
	fixed installation:	-40°C up to +90°C max. conductor temperature	

The cable is characterized with the <VDE> -sign or VDE-identification thread.

EU-Directives These cables are conform to the EU-Directives 2014/35/EU (Low Voltage Directive), and 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).



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